

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/578,926  
Source: IFWP  
Date Processed by STIC: 5/24/06

# ***ENTERED***

## CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/578,926

CRF Edit Date: 5/24/06  
Edited by: h

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

\_\_\_ Deleted: \_\_\_ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

✓  
\_\_\_ Other:  
corrected spelling of "Artificial" (globally) and  
"sapiens" (sequence 2)  
also corrected spelling of "posttranslational" in C1207 response



IFWP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/578,926

DATE: 05/24/2006

TIME: 11:35:04

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\05242006\J578926.raw

3 <110> APPLICANT: SHIMADZU CORPORATION, National University Corporation Yamaguchi University

5 <120> TITLE OF INVENTION: Method of posttranslational modification by addition of microsome membrane

6 in cell-free protein synthesis

8 <130> FILE REFERENCE: G104090WO

C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/578,926

C--> 10 <141> CURRENT FILING DATE: 2006-05-09

10 <150> PRIOR APPLICATION NUMBER: JP 2003-384387

11 <151> PRIOR FILING DATE: 2003-11-13

13 <160> NUMBER OF SEQ ID NOS: 9

15 <210> SEQ ID NO: 1

16 <211> LENGTH: 49

17 <212> TYPE: DNA

18 <213> ORGANISM: Artificial Sequence

20 <220> FEATURE:

21 <223> OTHER INFORMATION: 5'UTR (EoNPV polyhedrin gene)

23 <400> SEQUENCE: 1

24 agtattgttag tcctttcgta attgtttgtg aaatctaaaa tacaccgta 49

26 <210> SEQ ID NO: 2

27 <211> LENGTH: 702

28 <212> TYPE: DNA

29 <213> ORGANISM: Homo sapiens

31 <220> FEATURE:

32 <223> OTHER INFORMATION: pro-TNF GLC

34 <400> SEQUENCE: 2

35 atgagcactg aaagcatgat ccgggacgtg gagctggccg aggaggcgct ccccaagaag 60

36 acaggggggc cccagggtc caggcgggtg ttgttctcga gcctcttctc cttcctgatc 120

37 gtggcaggcg ccaccacgct cttctgacctg ctgcactttg gaggatcgcg cccccagagg 180

38 gaagagtccc ccagggacct ctctctaata agccctctgg ccaggcagt cagatcatct 240

39 tctcgaacct cgagtgacaa gcctgtagcc catgtttag caaacctca agctgagggg 300

40 cagctccagt ggctgaaccg ccggggccaa gccctcctgg ccaatggcgt ggagctgaga 360

41 gataaccagc tgggtggtgcc atcagagggc ctgtacctca tctactccca ggtcctcttc 420

42 aaggggccaa gctgcccctc caccatgtg ctctcacc acaccatcag ccgcatcgcc 480

43 gtctcctacc agaccaaggt caacctctc tctgccatca agagcccctg ccagagggag 540

45 accccagagg gggctgaggc caagccctgg tatgagccca tctatctggg aggggtcttc 600

46 cagctggaga agggtgaccg actcagcgct gagatcaatc ggcccgacta tctcgacttt 660

47 gccgagtctg ggcaggtcta ctttgggatc attgccctgt ga 702

49 <210> SEQ ID NO: 3

50 <211> LENGTH: 20

51 <212> TYPE: DNA

52 <213> ORGANISM: Artificial Sequence

54 <220> FEATURE:

55 <223> OTHER INFORMATION: PCR primer

57 <400> SEQUENCE: 3

## RAW SEQUENCE LISTING

DATE: 05/24/2006

PATENT APPLICATION: US/10/578,926

TIME: 11:35:04

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\05242006\J578926.raw

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58 ttggatcctg caaaaagaac                20
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 21
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: PCR primer
68 <400> SEQUENCE: 4
69 gttcttggat ccctcgagaa t                21
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 21
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: PCR primer
79 <400> SEQUENCE: 5
80 cccaagctta aaaaaccct c                21
82 <210> SEQ ID NO: 6
83 <211> LENGTH: 21
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: PCR primer
90 <400> SEQUENCE: 6
91 aaaaagcttc ccctggcgta a                21
93 <210> SEQ ID NO: 7
94 <211> LENGTH: 22
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: His-Tag coding DNA
101 <400> SEQUENCE: 7
102 ccaccaccac caccaccact ga                22
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 26
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: PCR primer
112 <400> SEQUENCE: 8
113 cgggatccat gagcactgaa agcatg                26
115 <210> SEQ ID NO: 9
116 <211> LENGTH: 26
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: PCR primer
123 <400> SEQUENCE: 9
124 cggaattcca gggcaatgat cccaaa                26

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 05/24/2006  
PATENT APPLICATION:    US/10/578,926      TIME: 11:35:06

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\05242006\J578926.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 3,5

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/578,926

DATE: 05/24/2006

TIME: 11:35:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\05242006\J578926.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing  
(for reference only)**





IFWP

## RAW SEQUENCE LISTING

DATE: 05/19/2006

PATENT APPLICATION: US/10/578,926

TIME: 08:42:12

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\05192006\J578926.raw

3 <110> APPLICANT: SHIMADZU CORPORATION, National University Corporation Yamaguchi University

5 <120> TITLE OF INVENTION: Method of posttranslational modification by addition of microsome membrane

6 in cell-free protein synthesis

8 <130> FILE REFERENCE: G104090WO

C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/578,926

C--> 10 <141> CURRENT FILING DATE: 2006-05-09

10 <150> PRIOR APPLICATION NUMBER: JP 2003-384387

11 <151> PRIOR FILING DATE: 2003-11-13

13 <160> NUMBER OF SEQ ID NOS: 9

15 <210> SEQ ID NO: 1

16 <211> LENGTH: 49

17 <212> TYPE: DNA

C--> 18 <213> ORGANISM: Artificial Sequence

20 <220> FEATURE:

21 <223> OTHER INFORMATION: 5'UTR (EoNPV polyhedrin gene)

23 <400> SEQUENCE: 1

24 agtattgtag tcctttcgta attggttgta aaatctaaaa tacaccgta

49

26 <210> SEQ ID NO: 2

27 <211> LENGTH: 702

28 <212> TYPE: DNA

29 <213> ORGANISM: homo sapiens

31 <220> FEATURE:

32 <223> OTHER INFORMATION: pro-TNF GLC

34 <400> SEQUENCE: 2

35 atgagcactg aaagcatgat ccgggacgtg gagctggccg aggaggcgt cccaagaag 60

36 acaggggggc ccaggggtc caggcgtg ttgttcctca gcctcttctc cttcctgac 120

37 gtggcaggcg ccaccacgt cttctgctg ctgcactttg gagtgatcg cccccagagg 180

38 gaagagtccc ccagggacct ctctctaata agccctctgg ccaggcagt cagatcatc 240

39 tctcgaaccc cgagtgaaca gcctgtagcc catgtttag caaacctca agctgagggg 300

40 cagctccagt ggctgaaccg ccggggccaa gccctcctgg ccaatggcgt ggagctgaga 360

41 gataaccagc tgggtggtgcc atcagagggc ctgtacctca tctactccca ggtcctcttc 420

42 aagggccaag gctgcccctc caccatgtg ctctcacc acaccatcag ccgcatcgcc 480

43 gtctcctacc agaccaagg caacctctc tctgccatca agagcccctg ccagagggag 540

45 accccagagg gggctgagg caagccctgg tatgagccca tctatctgg aggggtcttc 600

46 cagctggaga agggtgaccg actcagcgt gagatcaatc ggcccgaacta tctcgacttt 660

47 gccgagtctg ggcaggtcta ctttgggata attgccctgt ga 702

49 <210> SEQ ID NO: 3

50 <211> LENGTH: 20

51 <212> TYPE: DNA

C--> 52 <213> ORGANISM: Artificial Sequence

54 <220> FEATURE:

55 <223> OTHER INFORMATION: PCR primer

Does Not Comply  
Corrected Diskette Needed

57 <400> SEQUENCE: 3

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/578,926

DATE: 05/19/2006

TIME: 08:42:12

Input Set : A:\PTO.RJ.txt

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58 ttggatcctg caaaaagaac          20
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 21
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: PCR primer
68 <400> SEQUENCE: 4
69 gttcttggat ccctcgagaa t        21
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 21
73 <212> TYPE: DNA
C--> 74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: PCR primer
79 <400> SEQUENCE: 5
80 cccaagctta aaaaaccct c        21
82 <210> SEQ ID NO: 6
83 <211> LENGTH: 21
84 <212> TYPE: DNA
C--> 85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: PCR primer
90 <400> SEQUENCE: 6
91 aaaaagcttc ccctggcgta a        21
93 <210> SEQ ID NO: 7
94 <211> LENGTH: 22
95 <212> TYPE: DNA
C--> 96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: His-Tag coding DNA
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106 <212> TYPE: DNA
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109 <220> FEATURE:
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113 cgggatccat gagcactgaa agcatg  26
115 <210> SEQ ID NO: 9
116 <211> LENGTH: 26
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120 <220> FEATURE:
121 <223> OTHER INFORMATION: PCR primer
123 <400> SEQUENCE: 9
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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/578,926

DATE: 05/19/2006  
TIME: 08:42:13

Input Set : A:\PTO.RJ.txt  
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Seq#:1; Line(s) 3,5

**VERIFICATION SUMMARY**

DATE: 05/19/2006

PATENT APPLICATION: US/10/578,926

TIME: 08:42:13

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\05192006\J578926.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:18 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1  
L:52 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3  
L:74 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5  
L:85 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6  
L:96 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7  
L:107 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8  
L:118 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9